CONTENTS OF VOL. 209

ORIGINAL ARTICLES

No. 1—January

Diabetes Mellitus as Observed in 100 Cases for 10 or More Years. I. General Observations. By Russell Richardson, M.D., and Morris A. Bowie 1

Diabetes Mellitus as Observed in 100 Cases for 10 or More Years. II. Cardiac Studies. By Joseph Edeiken 8

Diabetes Mellitus as Observed in 100 Cases for 10 or More Years. III. Ocular Findings. By Irving H. Leopold 16

Diabetes Mellitus as Observed in 100 Cases for 10 or more Years. IV. Peripheral Vascular Findings in 89 of These Cases. By Meyer Naide, M.D. 23

Gelatin as a Plasma Substitute. The Effect of Gelatin Infusion on the Subsequent Typing and Cross-matching of the Blood, With a Method of Eliminating the Phenomenon of Pseudoagglutination. By C. Everett Koop, M.D., and Louisa Bullitt 28

Digilanid and the Therapy of Congestive Heart Disease. By A. B. Rimmerman, M.D. 33

An Epidemic of Pleurodynia With Prominent Neurologic Symptoms and No Demonstrable Cause. By Jeannette McConnell, M.D. 41

The Relationship of Cold Agglutinins to the Course of Primary Atypical Pneumonia. By Capt. Crichton McNeil, M.C., A.U.S. 48

Symposium on Air-borne Infections (See also 6 articles in February issue):

1. Atypical Pneumonia. By the Commission on Acute Respiratory Diseases 55

2. Factors in the Control of the Spread of Acute Respiratory Infections With Reference to Streptococcal Illness and Acute Rheumatic Fever. By Lieut. Stafford M. Wheeler, (MC) USNR, and T. Duckett Jones, M.D. 58

3. Scarlet Fever as an Air-borne Infection. By Lieut. Horace L. Hodes, (MC) USNR, Lieut.-Comdr. Francis F. Schwentker, (MC) USNR, Lieut. Beach M. Chenoweth, Jr., (MC) USNR, and Lieut. John L. Peck, Jr., (MC) USNR 64

4. The Transmission and Control of Meningococcal Infections. By John J. Phair, and Major Emanuel B. Schoenbach, M.C., A.U.S. . . . 69

5. The Control of Meningococcal Meningitis by Mass Chemoprophylaxis With Sulfadiazine. By Lieut.-Comdr. F. S. Cheever, (MC) USNR . 74

6. Mumps and Chickenpox as Air-borne Diseases. By Karl Habel . . 75

Inadequate Action of Penatin Against Brucella Abortus *in Vivo*. By E. L. Stubbs, I. Live, F. G. Sperling, and W. Kocholaty 78

176995

XUM

No. 2—February

Filariasis in Soldiers on an Island in the South Pacific. By Capt. Theodore D. Englehorn, M.C., A.U.S., and Lieut. William E. Wellman, M.C., A.U.S. 141

Symposium on Air-borne Infections (Continued):

7. Summary of a 3-Year Study of the Clinical Applications of the Disinfection of Air by Glycol Vapors. By T. N. Harris, M.D., and Joseph Stokes, Jr., M.D. 152

8. Experimental Air-borne Tuberculosis. By Max B. Lurie, M.D. . . 156

9. The Present Status of Glycol Vapors in Air Sterilization. By Morton Hamburger, Jr., M.D., O. H. Robertson, M.D., and Theodore T. Puck, Ph.D. 162

10. Recent Studies on the Control of Dust-borne Bacteria by Treatment of Floors and Bedclothes With Oil. By Major Clayton G Loosli, M.C., A.U.S., and O. H. Robertson, M.D. 166

11. Sampling Devices. By H. G. Du Buy, and Alexander Hollaender . 172

12. Measurement of Air-borne Infection by the Disinfection of Air. By W. F. Wells 177

The Incidence of Sicklemia and Sickle Cell Anemia in 3000 Canal Zone Examinations Upon Natives of Central America. By Major Wray J. Tomlinson, M.C., A.U.S. 181

Studies of Plasma Volume in the Human Being. Comparative Results of Reduction of Plasma Volume, Intramuscular Pressure and Venous Pressure in Surgical Shock. By Capt. Henry H. Henstell, M.C., A.U.S., and Comdr. Lewis Gunther, (MC) USNR 187

Aberrant Atrio-ventricular Conduction in a Case Showing a Short P–R Interval and an Abnormal But Not Prolonged QRS Complex. By Theodore T. Fox, M.D. 199

The Significance of the Pulmonary Diastolic Murmur in Cases of Mitral Stenosis. By Aldo A. Luisada, M.D., and Louis Wolff, M.D. . . 204

Spontaneous Mediastinal Emphysema With Pneumothorax Simulating Organic Heart Disease. By Capt. Henry Miller, M.C., A.U.S. . . 211

A Method for Measuring Small Amounts of Weight Loss in Man. By G. E. Burch, M.D. 220

The Relation of Total Insensible Loss of Weight to Water Loss From the Skin and Lungs of Human Subjects in a Subtropical Climate. By G. E. Burch, M.D., and Travis Winsor, M.D. 226

Use of Posterior Pituitary Extract in Tests of Urinary Concentration. By R. D. Taylor, M.D., James D. Peirce, M.D., and Irvine H. Page, M.D. 235

Somatic Pain. Diagnostic and Therapeutic Aspects of Local Infiltration. By Bernard Judovich, M.D. 240

No. 3—March

Some Clinical Observations on an Outbreak of Jaundice Following Yellow Fever Vaccination. By Lt.-Col. Joseph M. Hayman, Jr., M.C., and Major William A. Read, M.C. 281

Anaërobic Septicemia. Report of 6 Cases With Clinical Bacteriologic and Pathologic Studies. By J. Douglas Reid, Sc.D., George E. Snider, M.D., Elam C. Toone, M.D., and John S. Howe, M.D. 296

The Coincidence of Allergic Disease, Unexplained Fatigue, and Lymphadenopathy; Possible Diagnostic Confusion With Infectious Mononucleosis. By Theron G. Randolph, M.D., and Robert A. Hettig, M.D. . . 306

The Use of Bromsalizol in Lengthening the Effect of a Sympathetic Nerve Block. By Ferdinand C. Lee, M.D., David I. Macht, M.D., and Ross Z. Pierpont, M.D. 314

Spermatogenic Activity of Various Steroids. By G. Masson, Ph.D. . . 324

Meigs' Syndrome in a Case of Multilocular Pseudomucinous Cystadenoma of the Ovary. By Joseph Millett, M.D., and John Shell, M.D., F.A.C.S. 327

A Relation Between Cell-pack (Hematocrit) Volumes and Lymphocyte Counts. By Frederic T. Jung, Ph.D., M.D., Opal E. Hepler, Ph.D., M.D., and Mason S. Maynard, M.D. 336

Pernicious Anemia and Carcinoma of the Stomach—Autopsy Studies Concerning Their Interrelationship. By Henry S. Kaplan, M.D., and Leo G. Rigler, M.D. 339

Coronary Insufficiency, Revealed by Ectopic Nodal and Ventricular Beats in the Presence of Left Bundle Branch Block. By Ernst Simonson, M.D., Norbert Enzer, M.D., F.A.C.P., and Jay S. Goodman, M.D. . 349

Large Interauricular Septal Defect With Particular Reference to Diagnosis and Longevity. Report of 2 New Cases. By John B. Burrett, M.D., and Paul D. White, M.D. 355

Developments in Arthritis. By Ralph Pemberton, M.D. 364

Poliomyelitis in Pregnancy. By Max J. Fox, M.D., and Louis Sennett, M.D. 382

No. 4—April

Complications Arising in Donors in a Mass Blood Procurement Project. By Mary Heiss Boynton, M.D., and Major Earl S. Taylor, M.C., A.U.S. 421

The Use of a "Modified Globin" From Human Erythrocytes as a Plasma Substitute. Preliminary Report. By Max M. Strumia, M.D., F. W. Chornock, Ph.D., Alton D. Blake, M.D., and Walter G. Karr, Ph.D. 436

Hemophilia-like Disease in the Female. With a Note on the Clotting Time of the Recalcified Plasma. By Frederick W. Madison, M.D., and Armand J. Quick, Ph.D., M.D. 443

Cardiac Hypertrophy and Extramedullary Erythropoiesis in Newborn Infants of Prediabetic Mothers. By Herbert C. Miller, M.D. . . 447

Acute Myocarditis in Influenza A Infections. Two Cases of Non-bacterial Myocarditis, With Isolation of Virus From the Lungs. By Maxwell Finland, M.D., Frederic Parker, Jr., M.D., Mildred W. Barnes, A.M., and Capt. Leslie S. Joliffe, M.C., A.U.S. 455

Provocative Prolongation of the P–R Interval in Rheumatic Fever. By Richard Gubner, M.D., Murrill Szucs, M.D., and Harry E. Ungerleider, M.D., F.A.C.P. 469

XUM

The Primary Influence of Basal Vascular Tone on the Development of Post-occlusive Collateral Circulation and in Selecting Patients for Sympathectomy. By MEYER NAIDE, M.D., and ANN SAYEN 478

A Fatal Case of Cerebral Coccidioidomycosis With Cultural Studies. By CAPT. HANS G. SCHLUMBERGER, M.C., A.U.S. 483

Pneumococcic Pneumonia Resembling Primary Atypical Pneumonia. By E. RACKER, M.D., S. P. ROSE, M.D., and A. O. TUMEN, M.D. . . . 496

Roentgen Therapy of Boeck's Sarcoid. By ERNST A. POHLE, M.D., PH.D., LESTER W. PAUL, M.D., and ELIZABETH A. CLARK, M.D. 503

The Treatment of Tularemia With Intravenous Bismuth Sodium Tartrate. By WILL W. JACKSON, M.D. 513

Vitamin Content of Liver Extracts for Parenteral Use. A Comparison of Crude and Concentrated Preparations. By GUY W. CLARK, PH.D. . 520

No. 5—May

A Severe Type of Hereditary Anemia With Elliptocytosis, Interesting Sequence of Splenectomy. By THOMAS B. COOLEY, M.D., SC.D. . . 561

The Frequency of Thalassemia. By JAMES V. NEEL, PH.D., M.D., and WILLIAM N. VALENTINE, M.D. 568

Eosinophilia Following Parenteral Liver Therapy. Literature and Case Report. By HAROLD A. HANNO, M.D., and MAURICE MENSH, M.D. . 572

The Prognostic Value of Marrow Eosinophils in Thrombocytopenic Purpura. By STEVEN O. SCHWARTZ, M.D. 579

Infectious Mononucleosis and the Negro. With a Report of 6 Cases. By ALEXANDER BLAIN, 3RD, M.D., and ELMORE C. VONDER HEIDE, M.D. 587

Spontaneous Pneumothorax as a Complication of Pneumonia in Adults. By CAPT. ELI R. MOVITT, M.C., A.U.S. 595

The Hepatotoxic Action of Diethylstilbestrol With Report of a Case. By HERBERT ELIAS, M.D., and DAVID SCHWIMMER, M.D. 602

The Enhancement of the Plasma Concentration of Penicillin in Dogs by the Simultaneous Administration of Para-aminohippuric Acid, III. By KARL H. BEYER, PH.D., M.D., W. F. VERWEY, SC.D., ROLAND WOODWARD, B.S., LAWRENCE PETERS, PH.D., and PAUL A. MATTIS, D.SC. . 608

The Antistaphylococcal Activity of Various Sulfonamides. With a Method for Routine Determination of Chemotherapeutic Activity. By N. ERCOLI, M. N. LEWIS and ELEANOR M. HARKER 621

Persistence of Pneumococci in Sulfonamide Treated Cases of Pneumonia. By CAPT. ROBERT A. GOODWIN, JR., M.C., A.U.S., CLAIR WILCOX and MAXWELL FINLAND, M.D. 628

A Clinical Study of Sensitivity to Sulfathiazole. By GERALD T. KENT, M.D., and HERBERT W. DIEFENDORF, M.D. 640

Failure of Penicillin in Rheumatoid Arthritis. By BERNARD I. COMROE, M.D. 646

Focal Electroencephalographic Changes During the Scotomas of Migraine. By GEORGE L. ENGEL, M.D., EUGENE B. FERRIS, JR., M.D., and JOHN ROMANO, M.D. 650

Initial Cardiac Examination of 23,000 Inductees and Volunteers. By NATHAN FLAXMAN, M.D. 657

Acute Syphilitic Meningitis. A Discussion of the Problems Encountered in the Diagnosis. By ALBERT HEYMAN, M.D. 664

Joint Disease Associated With Acromegaly. By HANS WAINE, M.D., GRANVILLE A. BENNETT, M.D., and WALTER BAUER, M.D. 671

No. 6—JUNE

The Therapeutic Use of Radioactive Phosphorus. By COMDR. SHIELDS WARREN, (MC) USNR 701

Radioactive Phosphorus in the Treatment of Polycythemia Vera. Results and Hematologic Complications. By BYRON E. HALL, M.D., CHARLES H. WATKINS, M.D., MALCOLM M. HARGRAVES, M.D., and HERBERT Z. GIFFIN, M.D. 712

Recent Studies on Yellow Bone Marrow Extracts. By J. E. CALDWELL, R. H. SIFFERD, PH.D., J. D. PORSCHE, PH.D., and F. FENGER, PH.D. 717

Abdominal Crises in Uncomplicated Sickle Cell Anemia. A Clinico-pathologic Study of 11 Cases With a Suggested Explanation of Their Cause. By MAJOR WRAY J. TOMLINSON, M.C., A.U.S. 722

The Artificial Production and Significance of Target Cells. With Special Reference to Their Occurrence in Thalassemia (Cooley's Erythroblastic Anemia). By WILLIAM N. VALENTINE, M.D., and J. V. NEEL, M.D., Ph.D. 741

A Case of Eczema as a Source of a Streptococcal Epidemic. By G. K. DEFOREST, M.D., and LORAINE M. KERR 752

The Effect of Simultaneous Tuberculous Infection on Experimental Trichinella Infestations in Guinea Pigs. By O. T. DAVIS, M.D., GEORGE T. HARRELL, M.D., and E. S. KING, M.D. 758

Clinical Aspects of Pain in the Chest. II. Pain Arising From the Esophagus. By TINSLEY R. HARRISON 765

Clinical Aspects of Pain in the Chest. III. Pain Arising From the Stomach. By TINSLEY R. HARRISON 771

Penicillin in the Treatment of Intractable Bronchial Asthma. A Preliminary Report. By SIMON S. LEOPOLD, M.D., and ROBERT A. COOKE, M.D. . 784

NEW BOOKS AND NEW EDITIONS

Book Reviews and Notices 131, 273, 415, 551, 696, 817

New Books 138, 278, 419, 559, 698, 821

New Editions 139, 279, 420, 560, 699, 822

PROGRESS OF MEDICAL SCIENCE

MEDICINE 86

Leptospirosis. By EMILE A. BERTUCCI, JR., M.D.

XUM

NEUROLOGY AND PSYCHIATRY 111
Relationship and Function of the Pyramidal Tract. By ALBERT J. LUBIN, M.D.

SURGERY 253
Refrigeration in Surgery. By C. G. JOHNSTON, M.D.

OPHTHALMOLOGY 257
Retinopathy in Glomerulonephritis. By H. P. WAGENER, M.D.

PATHOLOGY AND BACTERIOLOGY 388
The Relation of Streptococci to Human Disease: Importance of Identification and Nomenclature. II. Streptococci Other Than Those of Group A. By J. HOWARD BROWN, PH.D., and ISABELLE G. SCHAUB

PREVENTIVE MEDICINE AND EPIDEMIOLOGY 395
Seasonal Prevalence as a Principle in Epidemiology. By W. LLOYD AYCOCK, M.D., GRACE E. LUTMAN, M.D., and GEORGE E. FOLEY

DERMATOLOGY AND SYPHILOLOGY 525
Biologic False Positive Reactions to the Tests for Syphilis. By HERMAN BEERMAN, M.D.

OTO-RHINO-LARYNGOLOGY 542
The Tonsil-Adenoid Problem. By NOAH D. FABRICANT, M.D.

RADIOLOGY 688
Notes on a Variety of Roentgenologic Problems. By HARRY M. WEBER, M.D.

PEDIATRICS 788
The Intra-duodenal Secretions in Childhood. By IRVING J. WOLMAN

GYNECOLOGY AND OBSTETRICS 804
The Rh Factor in Pregnancy. By CATHARINE B. HESS, M.D.

PHYSIOLOGY:
Proceedings of the Physiological Society of Philadelphia 127, 267, 411, 548, 692, 813